

**DRAPER**

**EN**

Original Instructions  
Version 2 – April 2026

2.25/3 TONNE

# **TROLLEY JACK**

**28465, 28466, 28475, 28481, 28485, 28494**



**UK  
CA** **CE**

# 1. Preface

These are the original product instructions. Read the instruction manual in full and retain for future reference.

Please visit [drapertools.com/manuals](http://drapertools.com/manuals) for the latest version of this manual and the associated parts list, if applicable.

## 1.1 Product Reference

User Manual for: 2.25 / 3 Tonne Trolley Jack

Stock No: 28465, 28466, 28475, 28481, 28485, 28494

Part No: TJ2250B, TJ2250G, TJ22500, TJ3000B, TJ3000G, TJ30000

## 1.2 Revisions

Version 1: April 2022  
First release

Version 2: April 2026

## 1.3 Understanding the Safety Content of This Manual



**WARNING!** – Situations or actions that may result in personal injury or death.



**CAUTION!** – Situations or actions that may result in damage to the product or surroundings.

**Important:** – Information or instructions of particular importance.

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## 3.1 Intended Use

This trolley jack is designed for the elevation of vehicles of up to the stated maximum weight limit as part of domestic and light-duty commercial use. Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

This product complies with the requirements defined by EN 1494.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

## 3.2 Specification

Stock No.	28465	28466	28475
Part No.	TJ2250B	TJ2250G	TJ2250O
Safe Working Load (Max. capacity)	2,250kg	2,250kg	2,250kg
Max. lifting range	75–505mm	75–505mm	75–505mm
Saddle diameter	110mm	110mm	110mm
Handle length	1,145mm	1,145mm	1,145mm
Chassis length	725mm	725mm	725mm
Net weight	28.6kg	28.6kg	28.6kg

Stock No.	28481	28485	28494
Part No.	TJ3000B	TJ3000G	TJ3000O
Safe Working Load (Max. capacity)	3,000kg	3,000kg	3,000kg
Max. lifting range	75–505mm	75–505mm	75–505mm
Saddle diameter	110mm	110mm	110mm
Handle length	1,145mm	1,145mm	1,145mm
Chassis length	738mm	738mm	738mm
Net weight	35kg	35kg	35kg

# 4. Health and Safety Information

**Important:** Read all Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the vehicle to be lifted. Draper Tools accepts no responsibility for improper use of this jack.

## 4.1 General Health and Safety Precautions

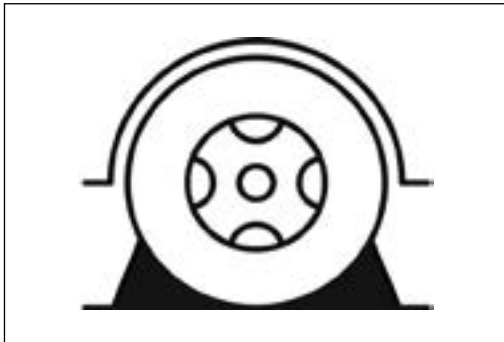
- Only authorised personnel who have carefully read and understood this manual should operate this product.
- **ALWAYS** wear adequate protective footwear when using the jack.

- **ALWAYS** ensure that the working area is well illuminated and free from obstructions.
- Keep bystanders at a safe distance during operation.
- Allow a minimum distance of 0.5m between the vehicle and surrounding objects to allow the vehicle to tip when lifted.
- The wheels of this product **DO NOT** lock.
  - Ensure that the jack will not roll once positioned for use.
- Care must be taken when handling and lifting.
  - Dropping the jack may result in damage to the product or personal injury.
- **DO NOT** modify this product in any way.

## 4. Health and Safety Information

- Stay alert to external interference that may cause the raised load to rock during preparation and operation.
- When not in use, lower the lifting arm, put the handle shaft into an upright position and twist it clockwise until strong resistance is felt.
  - This prevents the handle shaft from creating a trip hazard and holds it in the upright position.
  - Alternatively, lower the lifting arm, remove the handle shaft and lay it flat on the floor.
- This jack does not emit noise that exceeds a level of 70dB(A) during operation.

### 4.2 Preparing the Vehicle to be Lifted

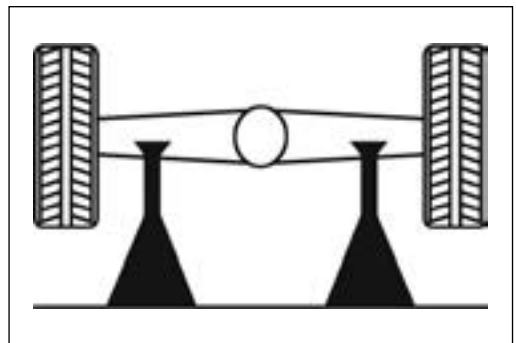
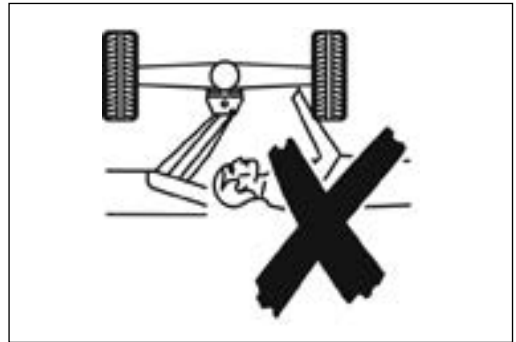
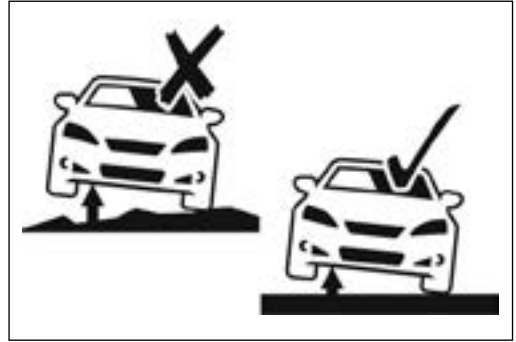


**⚠ WARNING! DO NOT lift the vehicle if it may result in the spillage of dangerous substances, including fuel or battery acid.**

- Ensure that there is no one inside the vehicle.
- Switch off the engine and apply the handbrake.
- Put the vehicle into gear (for manual transmission) or "Park" (for automatic transmission).

- Take any necessary precautions to prevent the vehicle from sliding.
  - Grounded wheels should be securely blocked with wheel chocks.

### 4.3 Correct Use of the Jack



**Important:** The jack is a lifting device **ONLY** and should never be used to move the vehicle. The vehicle to be lifted should never exceed the rated capacity of the jack.

- **ALWAYS** bleed the jack piston before use.
- **ONLY** operate the jack on solid, level and horizontal surfaces.
  - A concrete surface is recommended, where possible.
  - All four wheels of the jack should be in contact with the operating surface when in use.



**WARNING! Never use the jack on any surface that is slippery or may sink or rock.**

- When positioning the jack, **ALWAYS** use the manufacturer's recommended lifting point.
  - These points vary between vehicles; consult the manufacturer's manual or the Haynes workshop manual for the specific vehicle information.
- Ensure that the lifting point is not dirty, greasy or corroded.
- The lifting point must remain centred over the saddle during raising and lowering; off-centred loads may slip and cause injury.
- Position the jack so that no part of the operator is required to be underneath the vehicle at any time during lifting or lowering.
- Keep clear of all movable parts of the jack mechanism when in use.
- To prevent overloading, the jack is fitted with an overload valve set at the factory.

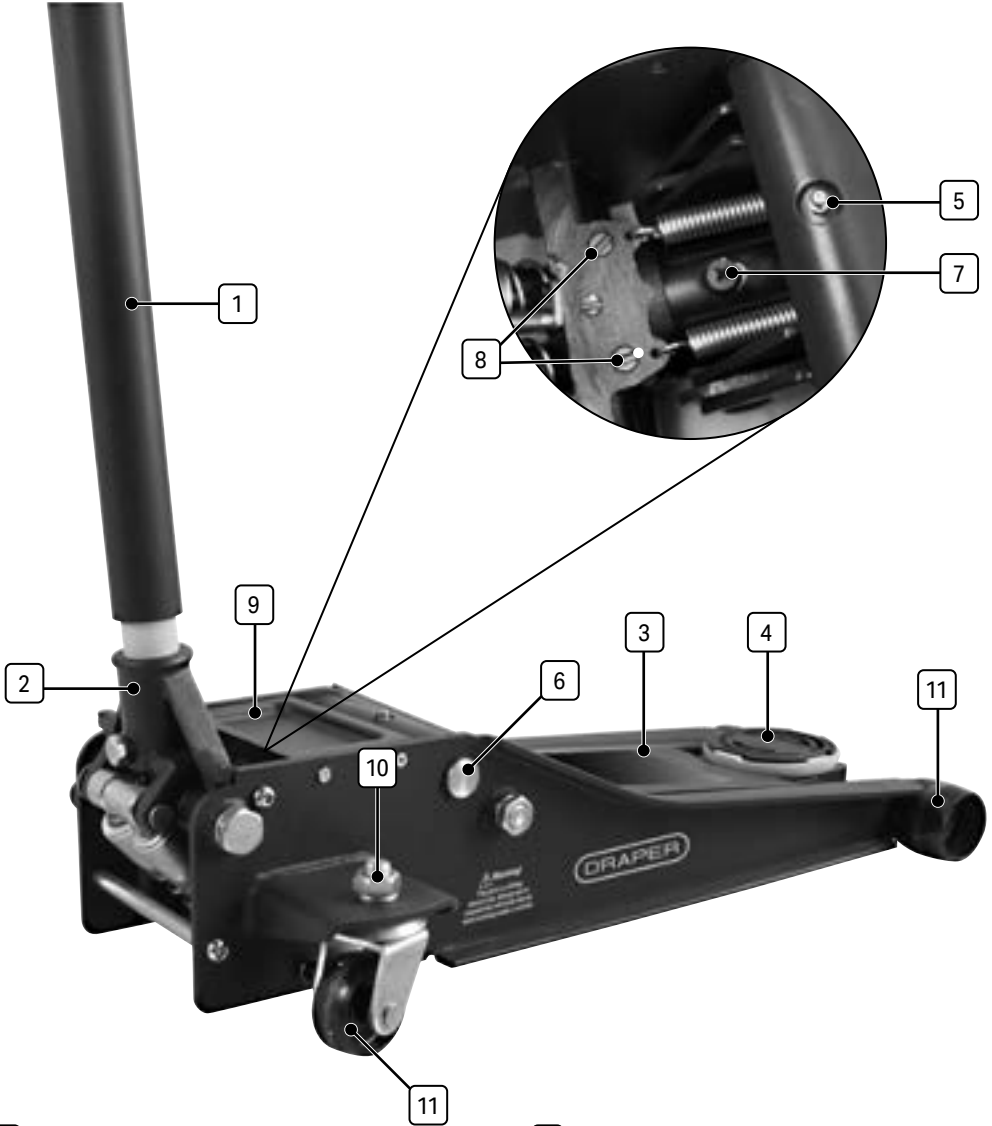
**Important:** The overload valve should not be adjusted under any circumstances. If the capacity of the jack is exceeded, the valve will prevent the lifting operation.

- Take all precautions to prevent movement of the vehicle during raising and lowering.
  - Be aware that traffic and other external forces may cause the load to rock if used at the roadside.
- Remain alert and observe the load at all times during operation.
  - Should any dangerous conditions occur, including unexpected movement of the vehicle, cease all operation until these conditions have been rectified.
- **NEVER** work under a raised vehicle without using the correct axle supports or other appropriate supporting methods.
- **DO NOT** enter the vehicle or start the engine while it is supported on the jack or axle stand.

- **NEVER** leave the jack unattended when in use.
- **NEVER** detach the handle shaft while the jack is under load.
- **ALWAYS** ensure that there are no persons or obstacles beneath the vehicle before lowering.

# 5. Identification and Unpacking

## 5.1 Product Overview



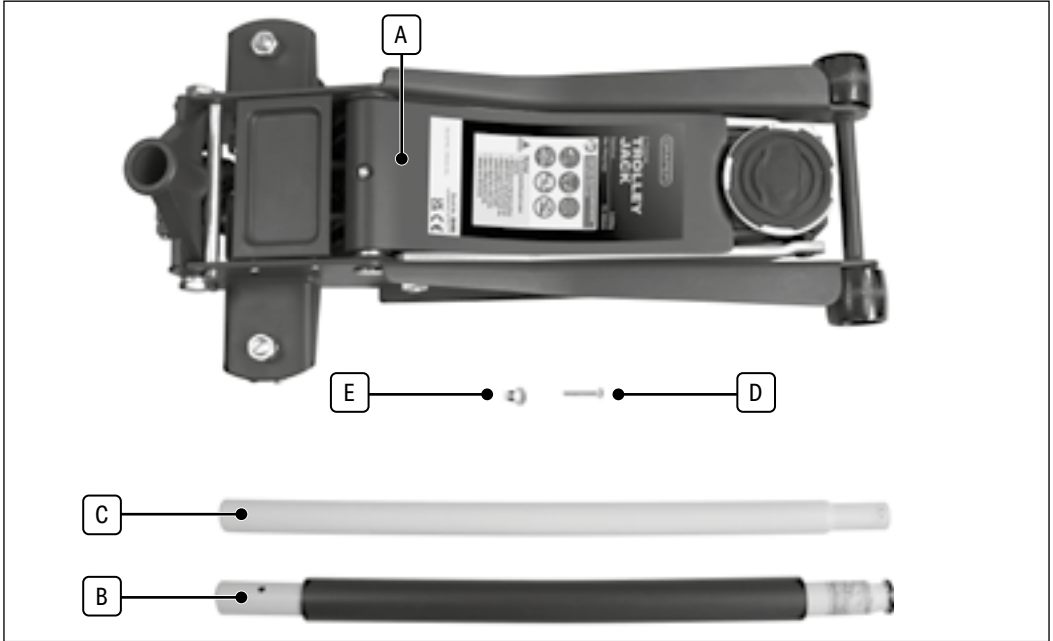
- 1 Handle shaft
- 2 Handle socket
- 3 Lifting arm
- 4 Saddle and integrated saddle pad
- 5 Grease nipple
- 6 Fulcrum bar

- 7 Oil filler plug
- 8 Overload valve screws
- 9 Pump cover plate
- 10 Caster bolts
- 11 Wheels

## 5.2 What's in The Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, **DO NOT** attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- A** 1 × Base unit
- B** 1 × Upper handle shaft
- C** 1 × Lower handle shaft

- D** 1 × M10 × 35mm hex bolt
- E** 1 × M17 × 15mm hex bolt

## 5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.



**WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.**

Please visit [drapertools.com](http://drapertools.com) for our full range of accessories and consumables.

## 6. Operating Instructions



Fig. 1

Twisting the handle shaft anticlockwise opens the release valve and lowers the lifting arm (Fig. 1).

### 6.1 Preparing the Jack

Prepare the jack correctly before each use:

1. Check the jack for bent, broken, cracked or loose parts, and oil leaks; ensure that the wheels **11** rotate freely and that the caster bolts **10** are tightly fastened.



**WARNING! DO NOT use the product if defects are present. If it is suspected that the jack has been subjected to abnormal loads or has suffered any knocks, withdraw it from service until the product has been repaired.**

2. Assemble the handle shaft:
  - a. Attach the upper **B** and lower **C** sections of the handle shaft and secure with bolt **D**.
  - b. Insert the complete handle shaft into the handle socket **2** and secure with bolt **E**.

**Important:** The handle shaft should be securely fastened but able to be twisted without excessive force. Over tightening may prevent movement of the handle.

3. Bleed the jack piston:
  - a. Twist the handle shaft **1** anticlockwise and allow the lifting arm to drop to its lowest position.
  - b. Pump the handle shaft down and up at least ten times using the full stroke range to lubricate the piston and expel any accumulated air.
  - c. Twist the handle shaft clockwise until strong resistance is felt to seal the release valve.



Fig. 2

Twisting the handle shaft clockwise closes the release valve (Fig. 2).

4. Test the jack:
  - a. Pump the handle shaft down and up to raise the lifting arm to its highest position.
  - b. Observe the saddle to check that it does not drop.
5. If the lifting arm begins to drop without intervention:
  - a. Twist the handle shaft anticlockwise and allow the lifting arm to drop to its lowest position.
  - b. Unscrew and remove the pump cover plate **9**.
  - c. Slightly loosen the oil filler plug, to allow any air to escape the chamber.
  - d. Tighten the oil filler plug.
6. Test the jack again by raising the lifting arm and ensuring that it does not drop without intervention.

Escaping air will hiss as it leaves the chamber. Repeat this process if necessary. If the issue is not resolved after several attempts, contact Draper Tools for assistance.

The jack is now ready for use.

### 6.2 Raising a Load

1. Position the jack directly beneath the approved vehicle lifting point.

See the vehicle manufacturer information for the approved lifting points.
2. Twist the handle shaft **1** clockwise until strong resistance is felt.
3. Pump the handle shaft down and up until contact is made with the vehicle and check that the saddle **4** is positioned correctly.



Fig. 8

**Pumping the handle shaft down and up raises the lifting arm if the release valve is closed (Fig. 3).**

4. Pump the handle shaft down and up to lift the vehicle. Use the full stroke range to lift more quickly.

**Important:** If the jack drops under load, safely lower the load (see 6.3) and bleed the piston chamber (see 6.1).

5. Immediately secure the raised vehicle with an appropriate axle stand, placing it as instructed in the manufacturer information.

## 7. Maintenance and Troubleshooting

**Important:** Maintenance and repair of the jack must only be performed by qualified personnel with sufficient knowledge of the hydraulics systems used in these devices.

### 7.1 General Maintenance

- Keep the jack clean and regularly lubricate all moving parts.
  - Dust and debris may cause components to become clogged or jammed, and the product may not perform at its best.
  - Use a grease gun on the grease nipple **5** to lubricate the lifting arm fulcrum bar **6**.
- Protect the jack and its components from adverse environmental and weather conditions, both during use and when stored.
  - The components may rust if exposed to damp air for prolonged periods.
- Use only spare parts supplied by Draper Tools.

### 6.3 Lowering a Load



**WARNING! ALWAYS ensure that there are no persons or obstacles beneath the vehicle before lowering.**

1. Gently pump the handle shaft **1** to raise the vehicle slightly and allow the axle stand to be removed safely.
2. When the axle stand is clear, carefully twist the pump handle anticlockwise to gently lower the load.

**DO NOT** turn the handle shaft more than a half turn at a time during lowering.

- Before each use, check for bent, broken, cracked or loose parts, and ensure that the wheels rotate freely.

### 7.2 Checking and Replacing the Oil

To extend the working life of the product, keep the oil at an appropriate level and replace it after periods of prolonged intensive use.



**CAUTION! Use AW 22 hydraulic oil. NEVER use brake or engine oil.**



**WARNING! Oil spillage may cause the operating surface to become slippery. DO NOT operate the jack on oily surfaces.**

To check, drain and refill the oil capsule:

1. Place the jack on a level, horizontal surface.
2. Fully lower the lifting arm **3** and handle shaft **1**.
3. Unscrew and remove the pump cover plate **9**.

# 7. Maintenance and Troubleshooting

4. Remove the oil filler plug  and check the oil level.

**Important:** The correct oil level is 5mm below the filler plug hole.

5. If the oil is dirty or needs replacing:

- Drain any remaining contents into a container.
- Refill the chamber with new oil as required, keeping the oil free of dirt.






**CAUTION! Excessive quantities of oil may render the jack inoperable.**

6. Replace the oil filler plug and wipe away any excess oil.
7. Screw the pump cover plate back into place and return the handle shaft to an upright position.

**ALWAYS** drain the jack of oil before disposal. Dispose of oil according to local regulations.

## 7.4 Storing the Jack

When the jack is not in use:

- Remove bolt  and detach the handle shaft .
- Ensure that the lifting arm  is fully lowered and apply an anti-corrosion product to the pistons if appropriate.
- Store the jack in a clean and dry location, out of reach of children.

## 7.3 Troubleshooting

Problem	Possible Cause	Remedy
The lifting arm does not raise when the handle shaft is pumped.	The release valve is not fully closed.	Twist the handle shaft clockwise until strong resistance is felt and bleed the piston if necessary.
	The maximum load has been exceeded.	Use an appropriately rated jack or reduce the weight of the load. <b>DO NOT</b> adjust the overload valve.
	The lifting arm fulcrum bar is not lubricated.	Use a grease gun to apply oil to the grease nipple.
	The piston system is corroded.	<b>DO NOT</b> use the jack. Contact Draper Tools to discuss repair or replacement options.
The saddle drops once lifted.	The release valve is not fully closed.	Twist the handle shaft clockwise until strong resistance is felt and bleed the piston if necessary.
	The hydraulics mechanism is damaged.	<b>DO NOT</b> use the jack. Contact Draper Tools to discuss repair or replacement options.
The handle shaft cannot be operated or raises the saddle slowly.	The piston system is not appropriately lubricated.	Follow steps in section 6.1.
The handle shaft cannot be twisted.	The attaching bolt has been overtightened.	Slightly loosen the attaching bolt.

## 8. Disposal

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At the end of its working life, or when it can no longer be repaired, dispose of the jack according to local regulations.

Contact your local authority for details of collection schemes in your area.

In all circumstances:

- **DO NOT** dispose of this product with domestic waste

- **DO NOT** incinerate
- Before decommissioning, drain and dispose of the oil from the jack in line with local regulations
- **DO NOT** abandon in the environment



## 9. Warranty

12 months from date of purchase – Visit [drapertools.com/warranty](http://drapertools.com/warranty) for more information.

However, if the tools are hired out, the warranty period is reduced to 90 days from the date of purchase.

This warranty does not cover consumable parts, normal wear & tear, damage, misuse, careless or unsafe handling.

Draper Tools Limited

## 10. Explanation of Symbols



Read the instruction manual



Apply the handbrake and put the vehicle in gear



**DO NOT** work under vehicles when supported only by a jack



Read the instruction manual



Support raised vehicles with axle stands



**DO NOT** incinerate or throw onto fire



Read the instruction manual



Chock all grounded wheels



**Warning!**



Saddle diameter



Use only on level surfaces



Do not abandon in the environment



Manufactured to EN 1494 Specification



**DO NOT** Use only on un-level surfaces



Net product weight

## Contact Details

### **Draper Tools Limited**

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.